

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,946,637 B2  
APPLICATION NO. : 10/680181  
DATED : September 20, 2005  
INVENTOR(S) : Tetsunobu Kochi et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item [75], Inventors, “**Tetsunobu Kochi**, Kanagawa-ken (JP); **Shigetoshi Sugawa**, Kanagawa-ken (JP); **Isamu Ueno**, Kanagawa-ken (JP); **Katsuhisa Ogawa**, Tokyo (JP); **Toru Koizumi**, Kanagawa-ken (JP); **Katsuhito Sakurai**, Tokyo (JP); **Hiroki Hiyama**, Kanagawa-ken (JP)” should read -- **Tetsunobu Kochi**, Hiratsuka (JP); **Shigetoshi Sugawa**, Atsugi (JP); **Isamu Ueno**, Hadano (JP); **Katsuhisa Ogawa**, Machida (JP); **Toru Koizumi**, Yokohama (JP); **Katsuhito Sakurai**, Machida (JP); **Hiroki Hiyama**, Atsugi (JP) --.

Column 1,

Line 23, “provide” should read -- provides --.

Column 2,

Line 40, “is” should read -- are --.

Column 8,

Line 7, “V<sub>th1</sub>,” should read -- V<sub>th1</sub>, --.

Column 11,

Line 55, “denotes are” should read -- denote --.

Column 12,

Line 8, “are” should read -- is --; and

Line 36, “phenomena” should read -- phenomenon --.

Column 15,

Line 18, “manner that” should read -- manner as that --; and

Line 23, “that” should read -- as that --.

Column 17,

Line 56, “are” should read -- is --; and

Line 57, “photo-charge” should read -- photo-charges --.

Column 18,

Line 55, “regist” should read -- resist --.

Column 19,

Line 57, “first and” should read -- first switch and --; and

Line 64, “thickness” should read -- thicknesses --.

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Column 20,

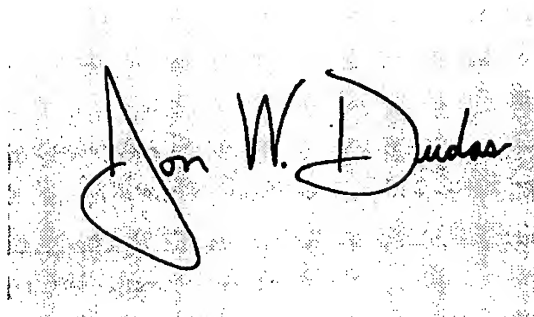
Line 26, "charge" should read -- signal charge --.

Column 22,

Line 4, "transistor," should read -- transistors, --.

Signed and Sealed this

Twenty-seventh Day of June, 2006

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is written in a cursive style with a large, stylized "J" and "D".

JON W. DUDAS

*Director of the United States Patent and Trademark Office*